Forest Park

Report Date: 4/12/2007

Reach ID: rFP\*245 Survey date: 8/17/06 Length: 83 feet along Miller Creek

### **EPA Rapid Assessment Scores**

F '(' )	
Epifaunal	
Substrate/	
Available Cover:	15 /20
Embeddedness:	40 (00
(high gradient)	16 /20
, , ,	
Velocity/Depth	
Regimes:	5 /20
(high gradient)	
Sediment	
Deposition:	17 /20
Channel Flow	
Status:	1 /20
Channel	
Alteration:	18 /20
Frequency of	
Riffles or Bends:	5 /20
(high gradient)	
Bank Stability	
Left Bank:	7 /10
Right Bank:	5 /10
Vegetative	
Protection	
Left Bank:	8 /10
Right Bank:	7 /10
Riparian Vegetation	
Zone Width	
Left Bank:	10 /10
Right Bank:	10 /10

Total Score:	124 /200
<b>Overall Condition:</b>	
Good	

### Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 60% Riparian Vegetative Buffer Width Left Bank: 14 m. Right Bank: 14 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.) 15

### Management Issues

#### Field Notes

Has LWD been placed?

endpoint- narrow v-shaped valley -heard osprey- very little water in channel-side channel is just upstream of endpoint

no



Forest Park

Report Date: 4/12/2007

Reach ID: rFP\*247 Survey date: 8/17/06 Length: 203 feet along Miller Creek

### **EPA Rapid Assessment Scores**

Epifaunal	
Substrate/	
Available Cover:	18 /20
Embeddedness: (high gradient)	17 /20
, , ,	
Velocity/Depth	4 (00
Regimes:	1 /20
(high gradient)	
Sediment	
Deposition:	17 /20
Channel Flow	
Status:	2 /20
Channel	
Alteration:	19 /20
Frequency of	
Riffles or Bends:	6 /20
(high gradient)	
Bank Stability	
Left Bank:	9 /10
Right Bank:	8 /10
Vegetative	
Protection	
Left Bank:	9 /10
Right Bank:	9 /10
Riparian Vegetation Zone Width	
Left Bank:	10 /10
Right Bank:	10 /10

Total Score: 135 /200 Overall Condition: Good

## Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 55% Riparian Vegetative Buffer Width Left Bank: 10 m. Right Bank: 14 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.)

### Management Issues

#### Field Notes

Has LWD been placed?

endpoint- narrow v-shaped valley - frogs present - very little water in channel

no



Forest Park

Report Date: 4/12/2007

Reach ID: rFP\*249 Survey date: 8/17/06 Length: 1,393 feet along Miller Creek

### **EPA Rapid Assessment Scores**

•	
Epifaunal	
Substrate/	
Available Cover:	18 /20
Factor data da como	47 (00
Embeddedness:	17 /20
(high gradient)	
Velocity/Depth	
Regimes:	2 /20
(high gradient)	
Sediment	
Deposition:	18 /20
Channel Flow	
Status:	2 /20
Channel	
Alteration:	19 /20
Frequency of	
Riffles or Bends:	4 /20
(high gradient)	
Bank Stability	
Left Bank:	8 /10
Right Bank:	8 /10
Vegetative	
Protection	
Left Bank:	9 /10
Right Bank:	9 /10
Riparian Vegetation	
Zone Width	
Left Bank:	10 /10
Right Bank:	10 /10

Total Score: 134 /200 Overall Condition: Good

## Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 50% Riparian Vegetative Buffer Width Left Bank: 14 m. Right Bank: 14 m. Bank Slope Left Bank: Steep Right Bank: Steep Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.)

Large (diameter >60 cm.)

19

Has LWD been placed?

no

### Management Issues

#### Field Notes

endpoint- narrow v-shaped valley - frogs,osprey- lots of lwd , good habitat



Forest Park

Report Date: 4/12/2007

Reach ID: rFP\*252 Survey date: 8/21/06 Length: 856 feet along Miller Creek

### **EPA Rapid Assessment Scores**

EPA Rapid Assessme	nt Score
Epifaunal	
Substrate/	
Available Cover:	16 /20
Embeddedness:	16 /20
(high gradient)	
Velocity/Depth	
Regimes:	5 /20
(high gradient)	
Sediment	
Deposition:	15 /20
Channel Flow	
Status:	2 /20
Channel	
Alteration:	20 /20
Frequency of	
Riffles or Bends:	16 /20
(high gradient)	
Bank Stability	
Left Bank:	7 /10
Right Bank:	7 /10
Vegetative	
Protection	
Left Bank:	10 /10
Right Bank:	10 /10
Riparian Vegetation	
Zone Width	
Left Bank:	10 /10
Right Bank:	10 /10

Total Score: 144 /200 Overall Condition: Good

## Supplemental Information

Vegetative Stream Shading
Left Bank: 80%
Right Bank: 70%

Riparian Vegetative Buffer Width
Left Bank: 15 m.
Right Bank: 15 m.

Bank Slope

Left Bank: Moderate Right Bank: Steep

Large Woody Debris count

Small (diameter 10 cm. to 30 cm.)

39

Medium (diameter 30 cm. to 60 cm.)

35

Large (diameter >60 cm.)

26

Has LWD been placed?

no

### Management Issues

Stream Bank Erosion

#### Field Notes

endpoint- narrow v-shaped valley -not enough water for fish- difficult to access-lots of wood- good potential for habitat



Forest Park

Report Date: 4/12/2007

Reach ID: rFP\*256 Survey date: 8/21/06 Length: 957 feet along Miller Creek

### **EPA Rapid Assessment Scores**

<u> </u>	
Epifaunal	
Substrate/	
Available Cover:	16 /20
Embeddedness:	15 /20
(high gradient)	
Velocity/Depth	
Regimes:	5 /20
(high gradient)	
Sediment	
Deposition:	15 /20
Channel Flow	
Status:	3 /20
Channel	
Alteration:	16 /20
Frequency of	
Riffles or Bends:	15 /20
(high gradient)	
Bank Stability	
Left Bank:	7 /10
Right Bank:	7 /10
Vegetative	
Protection	
Left Bank:	7 /10
Right Bank:	6 /10
Riparian Vegetation	
Zone Width	
Left Bank:	10 /10
Right Bank:	10 /10

Total Score: 132 /200 Overall Condition: Good

## Supplemental Information

Vegetative Stream Shading Left Bank: Right Bank: 85% Riparian Vegetative Buffer Width Left Bank: 12 m. Right Bank: 12 m. Bank Slope Left Bank: Moderate Right Bank: Moderate Large Woody Debris count Small (diameter 10 cm. to 30 cm.) Medium (diameter 30 cm. to 60 cm.) Large (diameter >60 cm.)

25
Has LWD been placed?

### **Management Issues**

#### Field Notes

endpoint- narrow v-shaped valley- frogs, deer, osprey- lots of wood-possible side channels, but too thick to see



Forest Park

Report Date: 4/12/2007

Reach ID: rFP\*351 Survey date: 9/11/06 Length: 928 feet along Miller Creek tributary

### **EPA Rapid Assessment Scores**

EPA Napiu Assessiile	000.0
Epifaunal	
Substrate/	
Available Cover:	12 /20
Embeddedness:	11 /20
(high gradient)	
Velocity/Depth	
Regimes:	5 /20
(high gradient)	
Sediment	
Deposition:	10 /20
Channel Flow	
Status:	5 /20
Channel	
Alteration:	19 /20
Frequency of	
Riffles or Bends:	11 /20
(high gradient)	
Bank Stability	
Left Bank:	6 /10
Right Bank:	7 /10
Vegetative	
Protection	
Left Bank:	10 /10
Right Bank:	10 /10
Riparian Vegetation	
Zone Width	
Left Bank:	9 /10
Right Bank:	10 /10

Total Score: 125 /200 Overall Condition: Good

## Supplemental Information

Vegetative Stream Shading
Left Bank: 90%
Right Bank: 85%

Riparian Vegetative Buffer Width
Left Bank: 12 m.
Right Bank: 12 m.

Bank Slope
Left Bank: Moderate
Right Bank: Moderate
Large Woody Debris count

arge Woody Debris count.
Small (diameter 10 cm. to 30 cm.)

Medium (diameter 30 cm. to 60 cm.)

Large (diameter >60 cm.)

Has LWD been placed?

no

20

### **Management Issues**

#### Field Notes

endpoint- broad u shaped valley- no fish spotted. The GPS time may be wrong, but the habitat data is for this point.



**Forest Park** Report Date: 4/12/2007

Survey date: 9/12/06 Length: 822 feet along Miller Creek Reach ID: rFP\*353

### **EPA Rapid Assessment Scores**

Epifaunal	
Substrate/	
Available Cover:	12 /20
Embeddedness:	11 /20
(high gradient)	
Velocity/Depth	
Regimes:	5 /20
(high gradient)	
Sediment	
Deposition:	10 /20
Channel Flow	
Status:	5 /20
Channel	
Alteration:	18 /20
Frequency of	
Riffles or Bends:	11 /20
(high gradient)	
Bank Stability	
Left Bank:	6 /10
Right Bank:	7 /10
Vegetative	
Protection	
Left Bank:	10 /10
Right Bank:	10 /10
Riparian Vegetation	
Zone Width	
Left Bank:	9 /10
Right Bank:	10 /10

**Total Score:** 124 /200 **Overall Condition:** Good

## **Supplemental Information**

Vegetative Stream Shading Left Bank: Right Bank: 95% Riparian Vegetative Buffer Width Left Bank: 0 m. Right Bank: 0 m.

Bank Slope

Left Bank: Moderate Right Bank: Moderate

Large Woody Debris count

Small (diameter 10 cm. to 30 cm.)

Medium (diameter 30 cm. to 60 cm.)

Large (diameter >60 cm.)

Has LWD been placed?

no

## **Management Issues**

#### **Field Notes**

endpoint - broad u shaped valley- no fish spotted



Forest Park

Report Date: 4/12/2007

Reach ID: rFP\*356 Survey date: 9/12/06 Length: 768 feet along Miller Creek

### **EPA Rapid Assessment Scores**

•	
Epifaunal	
Substrate/	
Available Cover:	12 /20
Embeddedness:	11 /20
(high gradient)	11720
Velocity/Depth	
Regimes:	5 /20
(high gradient)	
Sediment	
Deposition:	10 /20
Channel Flow	
Status:	5 /20
Channel	
Alteration:	19 /20
Frequency of	
Riffles or Bends:	11 /20
(high gradient)	
Bank Stability	
Left Bank:	6 /10
Right Bank:	7 /10
Vegetative	
Protection	
Left Bank:	10 /10
Right Bank:	10 /10
Riparian Vegetation	
Zone Width	
Left Bank:	9 /10
Right Bank:	10 /10

Total Score:

Overall Condition: Good 125 /200

Supplement	al Information
Vegetative Stream Left Bank: Right Bank:	Shading 90% 85%
Riparian Vegetativ Left Bank: Right Bank:	e Buffer Width 0 m. 0 m.
Bank Slope Left Bank: Right Bank:	Moderate Moderate
Large Woody Debris count Small (diameter 10 cm. to 30 cm.)	
Medium (diamet	er 30 cm. to 60 cm.)
Large (diameter	>60 cm.)
Has LWD been placed?	
	no

Management Issues	

### Field Notes

endpoint-no water left- broad u shaped valley- no fish spotted

